

Appl. No. 09/348,891
Amendment

Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (currently amended) A method of detecting a watermark in a compressed video signal comprising spectral coefficients obtained by transforming at least one picture of said video signal, the method comprising:
 - accumulating, in a transform domain, spatially corresponding coefficients of ~~at least one picture~~ a plurality of pictures of one frame of the video signal, wherein a picture is an array of pixels having the same size as the watermark;
 - inverse transforming said accumulated coefficients into an accumulated plurality of pictures in the spatial domain; and
 - detecting the watermark in said accumulated plurality of pictures.
2. (Previously Presented) The method as claimed in claim 1, wherein said encoded video signal includes predictively encoded pictures each comprising coefficients representing a residual picture after subtracting a prediction picture, and wherein the step of accumulating coefficients is applied to the coefficients representing said residual pictures irrespective of coefficients representing the prediction picture.
3. (Previously Presented) The method as claimed in claim 2, wherein said predictively encoded pictures further include motion vectors, and wherein the step of accumulating coefficients is carried out irrespective of said motion vectors.
4. (currently amended) An arrangement for detecting a watermark in a compressed video signal comprising spectral coefficients obtained by transforming at least one picture of said video signal, the arrangement comprising:

Appl. No. 09/348,891
Amendment

means for accumulating, in a transform domain, spatially corresponding coefficients of ~~at least one picture~~ a plurality of pictures of one frame of the video signal, wherein a picture is an array of pixels having the same size as the watermark;

means for inverse transforming said accumulated coefficients into an accumulated plurality of pictures in the spatial domain; and

means for detecting the watermark in said accumulated plurality of pictures.

5. (Cancelled).

6. (currently amended) A device for recording and/or playing back a compressed video signal, said device comprising means for disabling recording and/or playback of the video signal in dependence upon the presence of a watermark in said video signal, characterized in that the device comprises an arrangement for detecting said watermark in the video signal, said arrangement comprising:

means for accumulating, in a transform domain, spatially corresponding coefficients of ~~at least one picture~~ a plurality of pictures of one frame of the video signal, wherein a picture is an array of pixels having the same size as the watermark;

means for inverse transforming said accumulated coefficients into an accumulated plurality of pictures in the spatial domain; and

means for detecting the watermark in said accumulated plurality of pictures.

7. (currently amended) A method of detecting a watermark in a compressed video signal comprising spectral coefficients obtained by transforming at least one picture of said video signal, the method comprising:

accumulating, in a transform domain, spatially corresponding coefficients of at least one picture, wherein the accumulated coefficients comprise less data than one frame of the video signal;

inverse transforming said accumulated coefficients into an accumulated plurality of pictures in the spatial domain; and

detecting the watermark in said accumulated plurality of pictures.